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**Economic Commission for Europe****Steering Committee on Trade Capacity and Standards****Working Party on Agricultural Quality Standards****Specialized Section on Standardization of Seed Potatoes****Forty-eighth session**

Geneva, 18—19 March 2021

Item 7 of the provisional agenda

**Revision of the list of national certification schemes and list of varieties****List of national certification schemes and list of varieties \*****Submitted by the secretariat**

At its 2020 session, the Specialized Section decided to update the list of national certification schemes for seed potatoes and relevant contacts, as well as the list of varieties.

The Specialized Section is invited to review the updated information, prepared by Germany.

Due to the size of the file containing country certification schemes, only the template for national information (in comparison with the Economic Commission for Europe Standard and European Union Directives) has been translated. The completed national certification schemes, list of designated certification authorities and list of varieties have been uploaded on the session's webpage (<https://unece.org/trade/wp7/ge6-48th-2021>) as informal documents INF.1 and INF.2.

The document is submitted according to ECE/CTCS/2019/10 section IV, ECE/CTCS/2019/2 Decision 2019-8.6, and A/75/6 (Sect. 20).

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\* Submitted on the above date to allow for completion of national information by member countries.

## I. UNECE Standard (November 2018)

### A) minimum conditions for seed potatoes (crop) (%)

Zero tolerance:  
*Globodera rostochiensis* (soil tolerance), *Globodera pallida* (soil tolerance), *Synchytrium endobioticum*, *Clavibacter michiganensis*, *Ralstonia solanacearum*, Potato spindle tuber viroid, Tomato stolbur

Category	Pre-basic		Basic		Certified	
	Pre-basic TC	Pre-basic	Basic I	Basic II	Certified I	Certified II
off-types	0.00	0.01	0.25	0.25	0.50	0.50
black leg	0.00	0.00	0.50	1.00	1.50	2.00
virus (mosaic, leaf roll)	0.00	0.10	0.20	0.80	2.00	6.00

### B) direct progeny (%)

Category	Pre-basic		Basic		Certified	
	Pre-basic TC	Pre-basic	Basic I	Basic II	Certified I	Certified II
virus	0.00	0.50	1.00	4.00	8.00	10.00
off-types	0.00	0.01	0.25	0.25	0.50	0.50

### C) tolerances applicable to lots (%)

Zero tolerance:  
*Globodera rostochiensis* (soil tolerance), *Globodera pallida* (soil tolerance), *Synchytrium endobioticum*, *Clavibacter michiganensis*, *Ralstonia solanacearum*, Potato spindle tuber viroid, Tomato stolbur, *Meloidogyne chitwoodi*, *Meloidogyne fallax*, *Ditylenchus destructor*, *Phthorimaea operculella*

Category	Pre-basic		Basic		Certified	
	Pre-basic TC	Pre-basic	Basic I	Basic II	Certified I	Certified II
1. Dry and wet rot /of which wet rot	0.00	0.20	1,0/0,5	1,0/0,5	1,0/0,5	1,0/0,5
2. Scab, common and netted (> 1/3 surface)	0,00 (0 % surface)	5.00	5.00	5.00	5.00	5.00
3. Powdery scab (> 10% surface)	0,00 (0 % surface)	1.00	3.00	3.00	3.00	3.00

*C) tolerances applicable to lots (%)*

4. Rhizoctonia, black scurf (> 10% surface)	0,00 (0 % surface)	1,00 (>1% surface)	5.00	5.00	5.00	5.00
5. Shrivelled tubers (excessive dehydration or dehydration caused by silver scurf)	0.00	0.50	1.00	1.00	1.00	1.00
6. External defects	3.00	3.00	3.00	3.00	3.00	3.00
7. Chilling injury	0.00	2.00	2.00	2.00	2.00	2.00
8. Pest damage	0.00	4.00	4.00	4.00	4.00	4.00
total percentage (1-6)	3.00	5.00	6.00	6.00	6.00	6.00
earth and extraneous matter	1.00	1.00	2.00	2.00	2.00	2.00

*D) number of Generations*

Category	Pre-basic		Basic		Certified	
	Class					
Grade/Class	Pre-basic TC	Pre-basic	Basic I	Basic II	Certified I	Certified II
maximum generation number of field generations (FG)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
further details on generations: extent of flexibility, maximum no of generations per category, and per each grade/class	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
classification of field generation, if FG is not indicated on the label or not known to the certification agency	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

n.a. = not applicable

## II. EU Directives 2014/20/EU and 2014/21/EU; Implementing Regulation (EU) 2019/2072; Implementing Directive (EU) 2020/177

### A) minimum conditions for seed potatoes (crop) (%)

Zero tolerance:

*Globodera rostochiensis* (soil tolerance), *Globodera pallida* (soil tolerance),  
*Synchytrium endobioticum*, *Clavibacter michiganensis*, *Ralstonia solanacearum*, Potato  
spindle tuber viroid, Tomato stolbur

Category	Pre-basic		Basic			Certified	
	Union grade						
Grade/Class	PBTC	PB	S	SE	E	A	B
off-types	0.00	0.01	0.10	0.10	0.10	0.20	0.50
black leg	0.00	0.00	0.10	0.50	1.00	2.00	4.00
virus (mosaic, leaf roll)	0.00	0.10	0.20	0.50	0.80	2.00	6.00

Further EU minimum conditions for seed potato (crop) (%)

<i>Candidatus Liberibacter solanacearum</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candidatus Phytoplasma solani</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Potato spindle tuber viroid	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### B) direct progeny (%)

Category	Pre-basic		Basic			Certified	
	Union grade						
Grade/Class	PBTC	PB	S	SE	E	A	B
virus	0.00	0.50	1.00	2.00	4.00	8.00	10.00
off-types	n.a.	n.a.	0.25	0.25	0.25	0.50	0.50

n.a. = not applicable

### C) tolerances applicable to lots (%)

Zero tolerance:

*Globodera rostochiensis* (soil tolerance), *Globodera pallida* (soil tolerance),  
*Synchytrium endobioticum*, *Clavibacter michiganensis*, *Ralstonia solanacearum*, Potato  
spindle tuber viroid, Tomato stolbur, *Meloidogyne chitwoodi*,  
*Meloidogyne fallax*, *Ditylenchus destructor*, *Phthorimaea operculella*

Category	Pre-basic		Basic			Certified	
	Union grade						
Grade/Class	PBTC	PB	S	SE	E	A	B
1. Dry and wet rot /of which wet rot	0.00	0.20	0,5/0,2	0,5/0,2	0,5/0,2	0,5/0,2	0,5/0,2
2. Scab, common and netted (> 1/3 surface)	0.00	5.00	5.00	5.00	5.00	5.00	5.00

## C) tolerances applicable to lots (%)

3. Powdery scab (> 10% surface)	0.00	1.00	3.00	3.00	3.00	3.00	3.00
4. Rhizoctonia, black scurf (> 10% surface)	0.00	1.00	5.00	5.00	5.00	5.00	5.00
5. Shrivelled tubers (excessive dehydration or dehydration caused by silver scurf)	0.00	0.50	1.00	1.00	1.00	1.00	1.00
6. External defects	0.00	3.00	3.00	3.00	3.00	3.00	3.00
7. Chilling injury	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
8. Pest damage	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
total percentage (1-6)	0.00	6.00	6.00	6.00	6.00	8.00	8.00
earth and extraneous matter	n.a.	1.00	1.00	1.00	1.00	2.00	2.00

## Further EU minimum conditions for seed potato (lot) (%)

<i>Candidatus Liberibacter solanacearum</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Ditylenchus destructor</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Potato spindle tuber viroid	0.00	0.00	0.00	0.00	0.00	0.00	0.00

n.a. = not applicable

## D) number of Generations

Category	Union grade						
	Pre-basic	Basic			Certified		
Grade/Class	PBTC	PB	S	SE	E	A	B
maximum generation number of field generations (FG)	n.a.	max. 4 <sup>th</sup>	max. 5 <sup>th</sup>	max. 6 <sup>th</sup>	max. 7 <sup>th</sup>	max. 2 <sup>nd</sup> certified	max. 2 <sup>nd</sup> certified
further details on generations: extent of flexibility, maximum no of generations per category, and per each grade/class	1 generation max. in protected facility	PB maximum 4 FG, Basic maximum 4 FG, PB and Basic together maximum 7 FG				maximum 2 FG	
classification of field generation, if FG is not indicated on the label or not known to the certification agency	FG 0	FG 4	FG 5	FG 6	FG 7	FG 2 (certified)	FG 2 (certified)

n.a. = not applicable

E) further information According to Implementing Regulation (EU) 2019/2072 and Implementing Directive (EU) 2020/177 the following pests are handled as Regulated Non-Quarantine Pests (RNQPs) throughout the EU: Black leg (*Pectobacterium* spp., *Dickeya* spp.), *Candidatus Liberibacter solanacearum*, *Candidatus Phytoplasma solani*, *Ditylenchus destructor*, Potato spindle tuber viroid, Powdery scab (*Spongospora subterranea*), *Rhizoctonia* (*Thanatephorus cucumeris*), virus (mosaic, leaf roll)

### III. National regulation: to fill in if different from Union grades

A) minimum conditions for seed potatoes (crop) (%) Remarks

Category	Pre-basic		Basic		Certified		
Grade/Class							

Zero tolerance:

*Globodera rostochiensis* (soil tolerance), *Globodera pallida* (soil tolerance), *Synchytrium endobioticum*, *Clavibacter michiganensis*, *Ralstonia solanacea rum*, Potato spindle tuber viroid, Tomato stolbur

off-types								
black leg								
virus (mosaic, leaf roll)								

Further EU minimum conditions for seed potato (crop) (%)

<i>Candidatus Liberibacter solanacearum</i>								
<i>Candidatus Phytoplasma solani</i>								
Potato spindle tuber viroid								

Further national minimum conditions for seed potato (crop) (%)

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B) direct progeny (%) Remarks

Category	Pre-basic		Basic		Certified		
Grade/Class							
virus							
off-types							

Further national minimum conditions for direct progeny (%)

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C) tolerances applicable to lots (%)							Remarks
Category	Pre-basic		Basic		Certified		
Grade/Class							
Zero tolerance: <i>Globodera rostochiensis</i> (soil tolerance), <i>Globodera pallida</i> (soil tolerance), <i>Synchytrium endobioticum</i> , <i>Clavibacter michiganensis</i> , <i>Ralstonia solanacearum</i> , Potato spindle tuber viroid, Tomato stolbur, <i>Meloidogyne chitwoodi</i> , <i>Meloidogyne fallax</i> , <i>Ditylenchus destructor</i> , <i>Phthorimaea operculella</i>							
1. Dry and wet rot /of which wet rot							
2. Scab, common and netted (> 1/3 surface)							
3. Powdery scab (> 10% surface)							
4. Rhizoctonia, black scurf (> 10% surface)							
5. Shrivelled tubers (excessive dehydration or dehydration caused by silver scurf)							
6. External defects							
7. Chilling injury							
8. Pest damage							
total percentage (1-6)							
earth and extraneous matter							
Further EU minimum conditions for seed potato (lot) (%)							
<i>Candidatus Liberibacter solanacearum</i>							
<i>Ditylenchus destructor</i>							
Potato spindle tuber viroid							
Further national tolerances applicable to lots (%)							

D) number of Generations							Remarks
Category	Pre-basic		Basic		Certified		
Grade/Class							
maximum generation number of field generations (FG)							
further details on generations: extent of flexibility,							

<i>D) number of Generations</i>					<i>Remarks</i>		
maximum no of generations per category, and per each grade/class							
classification of field generation, if FG is not indicated on the label or not known to the certification agency							

*E) further information*

1. Certification: do you apply national classes, EU-grades, UNECE classes or a combination? Please specify.
2. Label: do you indicate on the label national classes, UNECE classes or EU-grades or a combination?
3. Lots from other countries or EU-Member States: are there any conditions of admitting lots from other countries into your multiplication/certification scheme? Please specify.
4. Field generation on label: is the indication of the field generation obligatory or optional?
5. Further information
6. Footnotes
7. Link to your national regulation